



2023

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Reporting Criteria

Please pay particular attention to the wording when interpreting the three levels of data gathered for this report.

Crash

The Crash Level analyzes data related to crash events and returns one result per crash.

Examples: Time, weather, and location.

Units

The Units Level analyzes the experience of the units in the crash and returns one result per vehicle, driver, pedestrian, bicyclist, or train.

Examples: Vehicle type, driver condition, and unit events.

People

The People Level analyzes the experience of the people involved in the crash and returns one result per occupant/person/party.

Examples: Age, injury severity, and seat belt or helmet use.

KABCO Injury Indicator:

K = Killed

A = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

O = No Injury

Property Damage Only (PDO)



Michigan Commercial Motor Vehicles

2023 Traffic Crash Data & 2019-2023 5-Year Trends

Summary Trends

Year	Total Crashes	Fatal Crashes	Injury Crashes	Fatalities	Injuries
2019	15,798	98	2,642	106	3,685
2020	11,344	77	1,929	78	2,636
2021	14,293	93	2,487	103	3,369
2022	15,802	96	2,604	105	3,632
2023	15,088	93	2,644	103	3,677

Sources:

The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with \$1,000 as a reporting threshold). The information was gathered from Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff's offices, and the Michigan State Police. Other related information was obtained from the departments of Transportation, State, and Community Health.

2023 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	1,288	8	193	1,087	10	254
February	1,074	6	186	882	6	228
March	1,214	7	216	991	9	304
April	1,102	8	192	902	8	261
May	1,309	6	270	1,033	7	372
June	1,203	12	234	957	13	315
July	1,070	9	198	863	9	294
August	1,405	5	261	1,139	7	398
September	1,303	5	222	1,076	6	303
October	1,594	15	280	1,299	15	407
November	1,410	7	202	1,201	7	290
December	1,116	5	190	921	6	251
Total	15,088	93	2,644	12,351	103	3,677

2023 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2023 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	1,851,199	50,580	19	0.1	3.8
16 - 17	260,712	161,872	354	13.6	21.9
18 - 24	923,107	710,368	2,958	32.0	41.6
25 - 44	2,543,363	2,323,670	10,970	43.1	47.2
45 - 64	2,532,128	2,327,779	9,679	38.2	41.6
65 +	1,926,752	1,865,341	2,879	14.9	15.4
Unknown	0	0	2,337	--	--
Total	10,037,261	7,439,610	29,196	29.1	39.2

2023 - Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger Car, SUV, Van	11,068	37.9	66	33.8	2,555	8,447
Motor Home	38	0.1	0	0.0	6	32
Pickup Truck	1,623	5.6	21	10.8	271	1,331
Small Truck Under 10,000 lbs. GVWR	91	0.3	0	0.0	15	76
Motorcycle	36	0.1	8	4.1	21	7
Moped/Goped	4	0.0	0	0.0	4	0
Go-Cart/Golf Cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	3	0.0	0	0.0	3	0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	98	0.3	0	0.0	10	88
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	15,852	54.3	100	51.3	2,774	12,978
Uncoded & Errors	383	1.3	0	0.0	29	354
Total	29,196	100.0	195	100.0	5,688	23,313

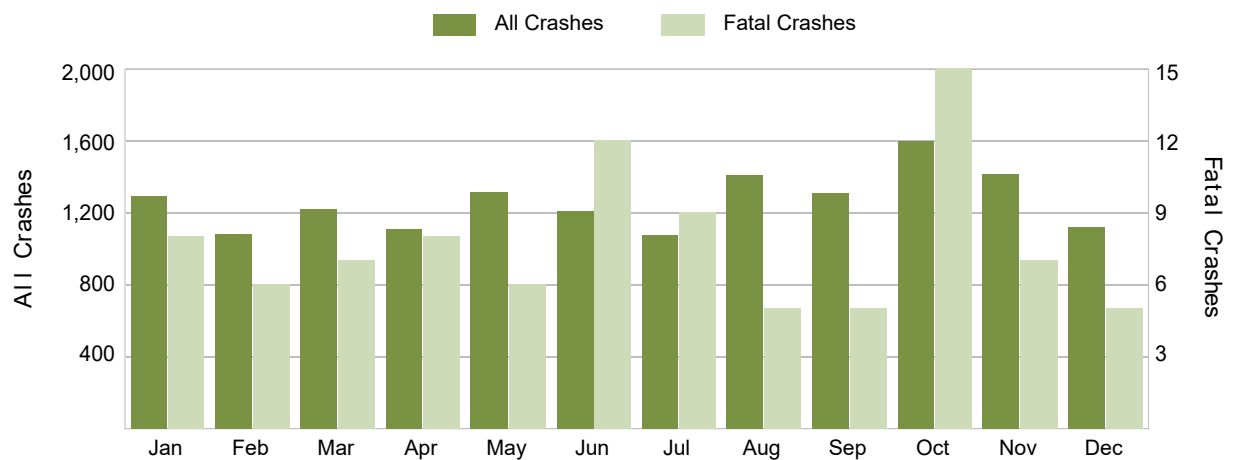
5-Year Trend - Crashes by Month

Month	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1,682	9	1,217	4	1,008	7	1,379	7	1,288	8
February	1,366	3	1,232	5	1,294	3	1,436	6	1,074	6
March	1,072	9	676	3	865	4	1,142	9	1,214	7
April	1,046	7	419	4	954	8	1,050	4	1,102	8
May	1,236	13	596	8	1,063	10	1,292	3	1,309	6
June	1,076	5	962	11	1,211	4	1,367	16	1,203	12
July	1,302	8	1,054	8	1,156	7	1,134	5	1,070	9
August	1,273	7	1,017	12	1,363	10	1,289	5	1,405	5
September	1,292	8	1,089	5	1,409	11	1,373	10	1,303	5
October	1,577	13	1,167	10	1,450	5	1,474	10	1,594	15
November	1,665	8	982	3	1,314	10	1,513	9	1,410	7
December	1,211	8	933	4	1,206	14	1,353	12	1,116	5
Total	15,798	98	11,344	77	14,293	93	15,802	96	15,088	93

5-Year Trend - Crashes by Day of Week

Day	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	2,966	16	1,960	25	2,504	12	2,756	15	2,653	10
Tuesday	3,176	16	2,017	9	2,684	17	2,682	15	2,783	16
Wednesday	3,077	13	2,125	12	2,562	18	2,971	16	2,764	18
Thursday	2,602	21	2,144	10	2,527	21	2,795	15	2,848	15
Friday	2,546	19	1,913	8	2,523	15	3,039	17	2,621	23
Saturday	904	7	757	9	935	6	999	12	891	7
Sunday	527	6	428	4	558	4	560	6	528	4
Total	15,798	98	11,344	77	14,293	93	15,802	96	15,088	93

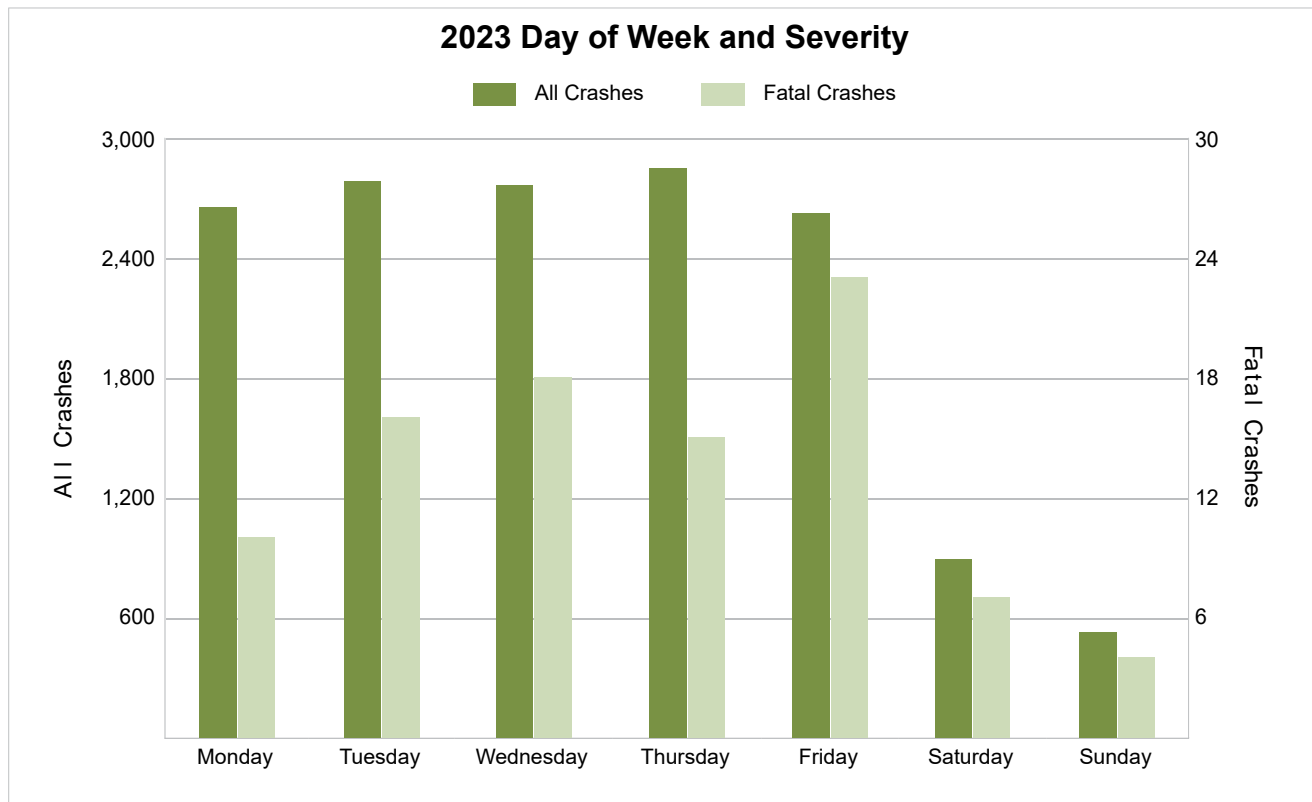
2023 Crashes by Month



Commercial Motor Vehicles (continued)

2023 - Crashes by Day of Week

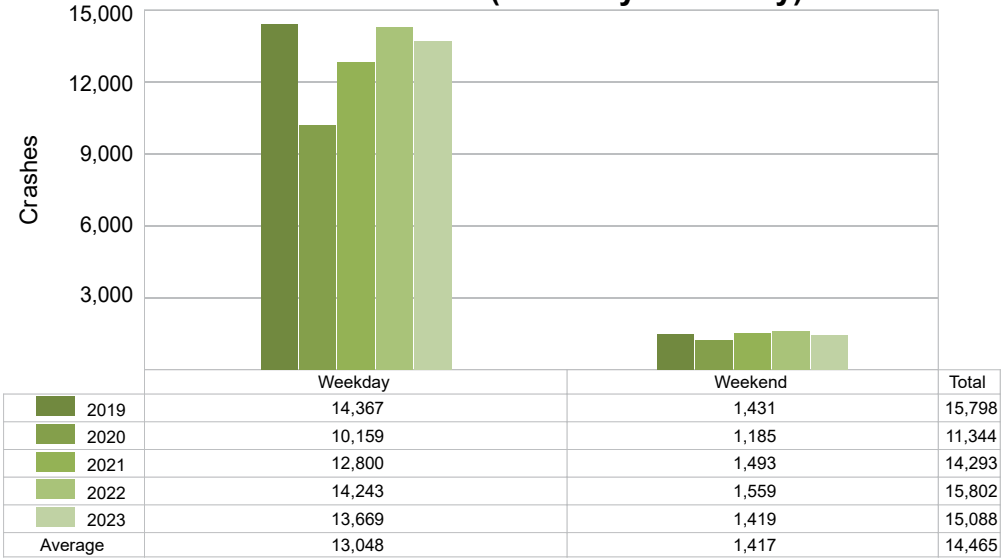
Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Fatal	% of Fatal	A	B	C	Number
Monday	2,653	17.6	10	10.8	54	134	275	2,180
Tuesday	2,783	18.4	16	17.2	55	130	320	2,262
Wednesday	2,764	18.3	18	19.4	56	123	251	2,316
Thursday	2,848	18.9	15	16.1	51	143	284	2,355
Friday	2,621	17.4	23	24.7	46	141	294	2,117
Saturday	891	5.9	7	7.5	23	65	92	704
Sunday	528	3.5	4	4.3	12	37	58	417
Total	15,088	100.0	93	100.0	297	773	1,574	12,351



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	14,367	85	10,159	64	12,800	83	14,243	78	13,669	82
Weekend	1,431	13	1,185	13	1,493	10	1,559	18	1,419	11
Total	15,798	98	11,344	77	14,293	93	15,802	96	15,088	93

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



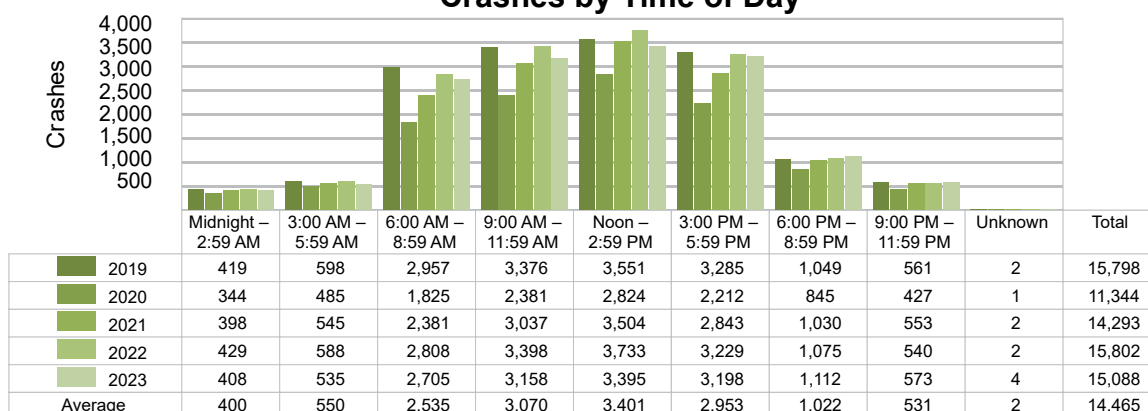
Commercial Motor Vehicles (continued)

5-Year Trend - Crashes by Time of Day

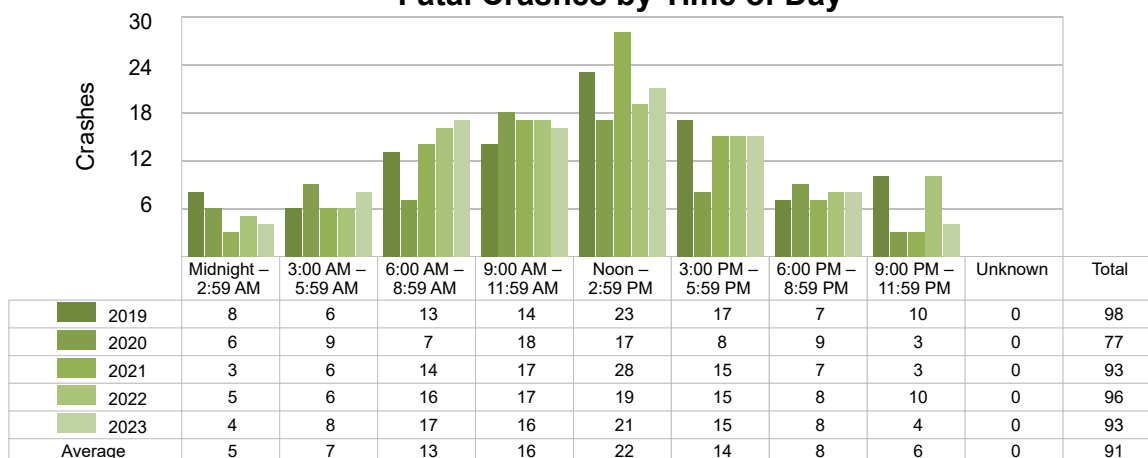
Time of Day	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	419	8	344	6	398	3	429	5	408	4
3:00 AM – 5:59 AM	598	6	485	9	545	6	588	6	535	8
6:00 AM – 8:59 AM	2,957	13	1,825	7	2,381	14	2,808	16	2,705	17
9:00 AM – 11:59 AM	3,376	14	2,381	18	3,037	17	3,398	17	3,158	16
Noon – 2:59 PM	3,551 †	23	2,824 †	17	3,504 †	28	3,733 †	19	3,395 †	21
3:00 PM – 5:59 PM	3,285	17	2,212	8	2,843	15	3,229	15	3,198	15
6:00 PM – 8:59 PM	1,049	7	845	9	1,030	7	1,075	8	1,112	8
9:00 PM – 11:59 PM	561	10	427	3	553	3	540	10	573	4
Unknown	2	0	1	0	2	0	2	0	4	0
Total	15,798	98	11,344	77	14,293	93	15,802	96	15,088	93

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period.

5-Year Trend Crashes by Time of Day

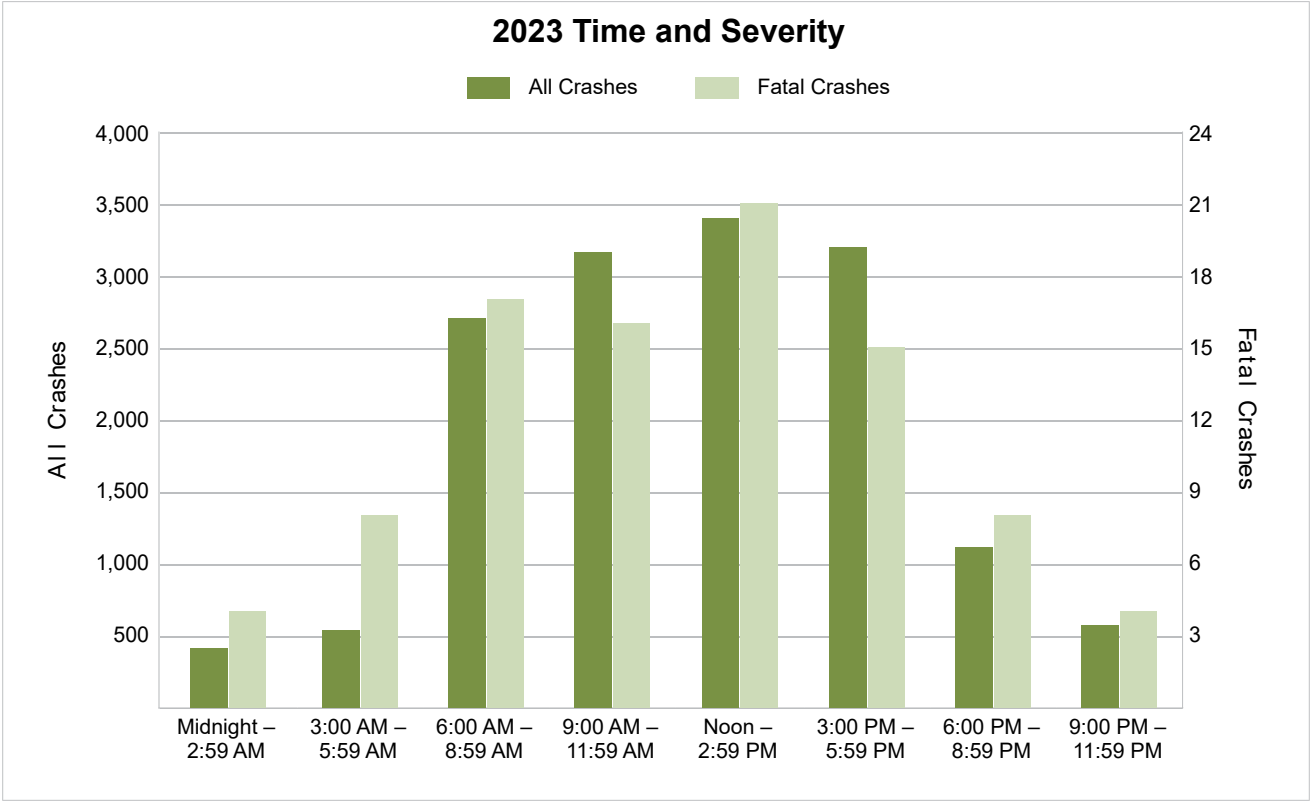


5-Year Trend Fatal Crashes by Time of Day



2023 - Time and Severity

Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	408	2.7	4	4.3	14	28	52	310
3:00 AM – 5:59 AM	535	3.5	8	8.6	21	35	57	414
6:00 AM – 8:59 AM	2,705	17.9	17	18.3	55	146	268	2,219
9:00 AM – 11:59 AM	3,158	20.9	16	17.2	60	128	309	2,645
Noon – 2:59 PM	3,395	22.5	21	22.6	55	159	377	2,783
3:00 PM – 5:59 PM	3,198	21.2	15	16.1	52	166	332	2,633
6:00 PM – 8:59 PM	1,112	7.4	8	8.6	26	73	113	892
9:00 PM – 11:59 PM	573	3.8	4	4.3	14	38	66	451
Unknown	4	0.0	0	0.0	0	0	0	4
Total	15,088	100.0	93	100.0	297	773	1,574	12,351

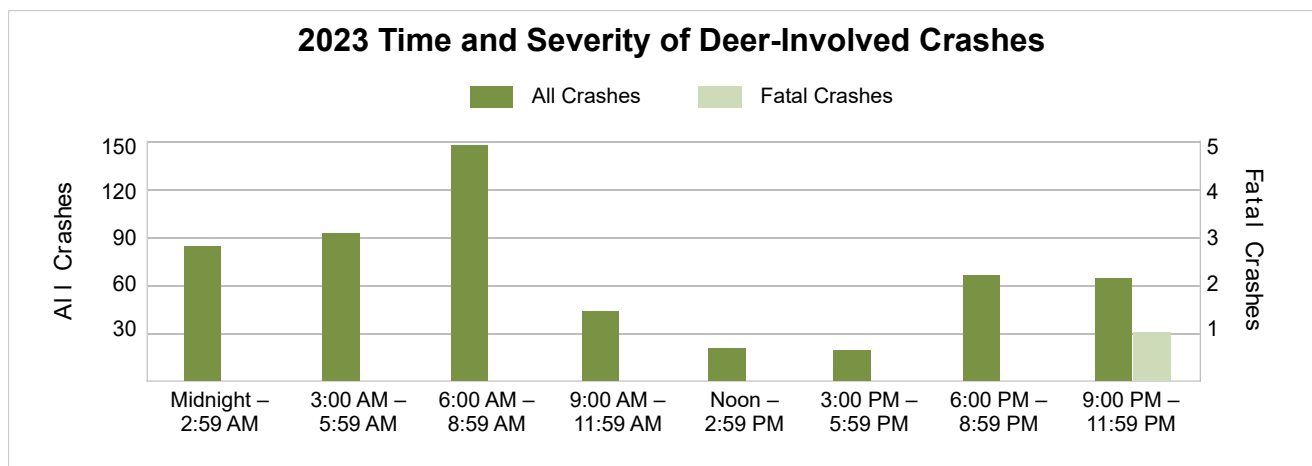
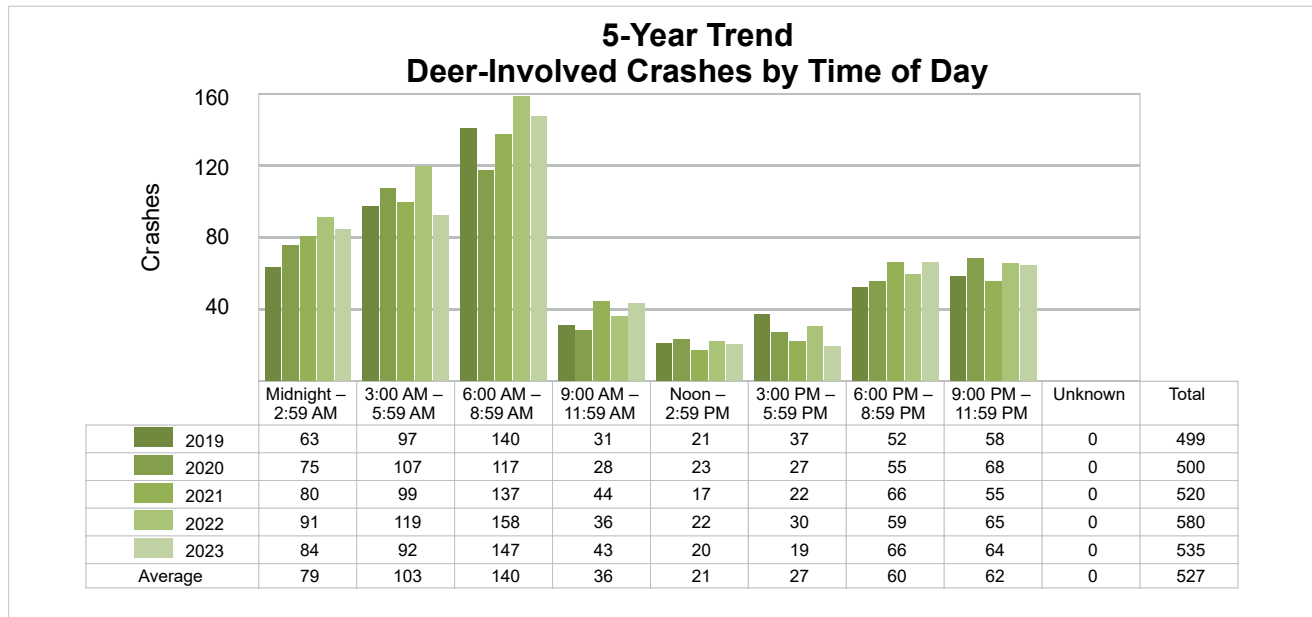


Commercial Motor Vehicles (continued)

5-Year Trend - Deer-Involved Crashes by Time of Day

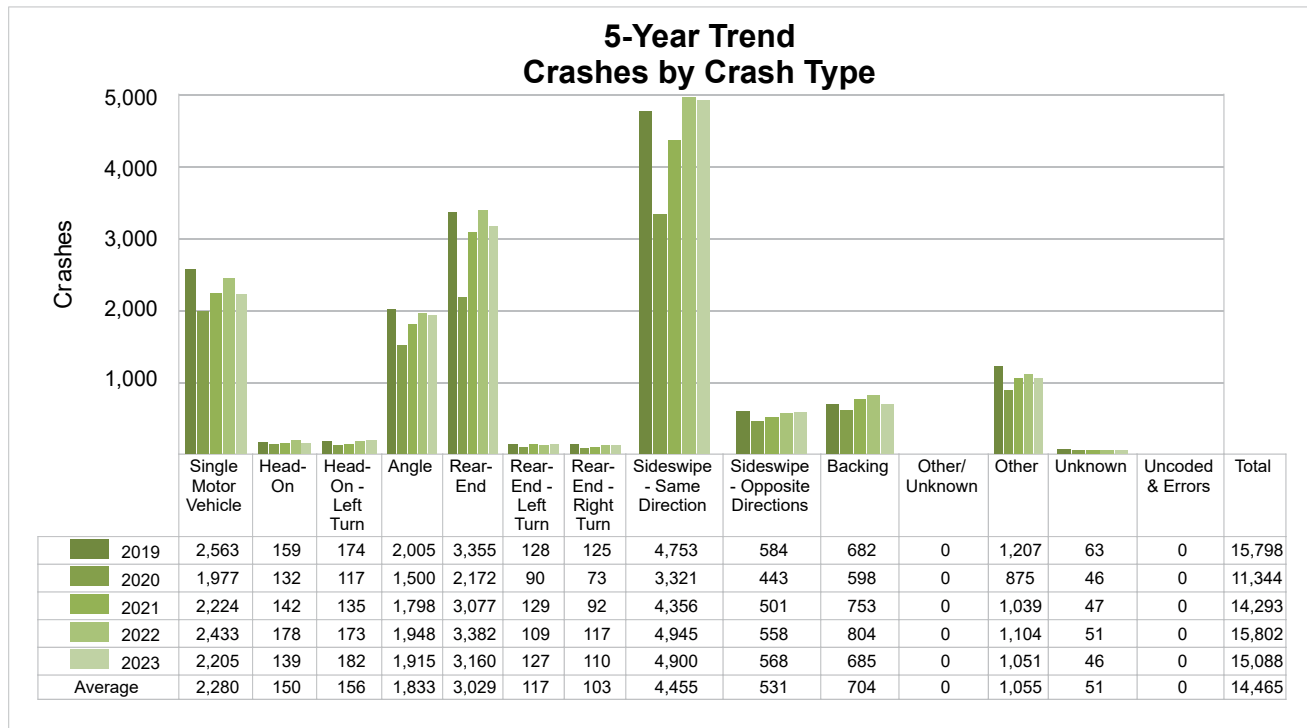
Time of Day	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	63	0	75	0	80	0	91	0	84	0
3:00 AM – 5:59 AM	97	0	107	0	99	0	119	0	92	0
6:00 AM – 8:59 AM	140 †	0	117 †	0	137 †	0	158 †	0	147 †	0
9:00 AM – 11:59 AM	31	0	28	0	44	0	36	0	43	0
Noon – 2:59 PM	21	0	23	0	17	0	22	0	20	0
3:00 PM – 5:59 PM	37	0	27	0	22	0	30	0	19	0
6:00 PM – 8:59 PM	52	0	55	0	66	1	59	0	66	0
9:00 PM – 11:59 PM	58	0	68	0	55	0	65	0	64	1
Unknown	0	0	0	0	0	0	0	0	0	0
Total	499	0	500	0	520	1	580	0	535	1

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period.



5-Year Trend - Crashes by Crash Type

Crash Type	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	2,563	11	1,977	16	2,224	16	2,433	6	2,205	13
Head-On	159	18	132	14	142	18	178	16	139	14
Head-On - Left Turn	174	4	117	0	135	3	173	2	182	3
Angle	2,005	31	1,500	19	1,798	25	1,948	31	1,915	27
Rear-End	3,355	19	2,172	14	3,077	16	3,382	23	3,160	20
Rear-End - Left Turn	128	0	90	2	129	2	109	0	127	0
Rear-End - Right Turn	125	0	73	0	92	0	117	1	110	0
Sideswipe - Same Direction	4,753	7	3,321	3	4,356	5	4,945	5	4,900	7
Sideswipe - Opposite Directions	584	2	443	3	501	3	558	3	568	1
Backing	682	0	598	0	753	0	804	0	685	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	1,207	6	875	6	1,039	5	1,104	9	1,051	7
Unknown	63	0	46	0	47	0	51	0	46	1
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	15,798	98	11,344	77	14,293	93	15,802	96	15,088	93

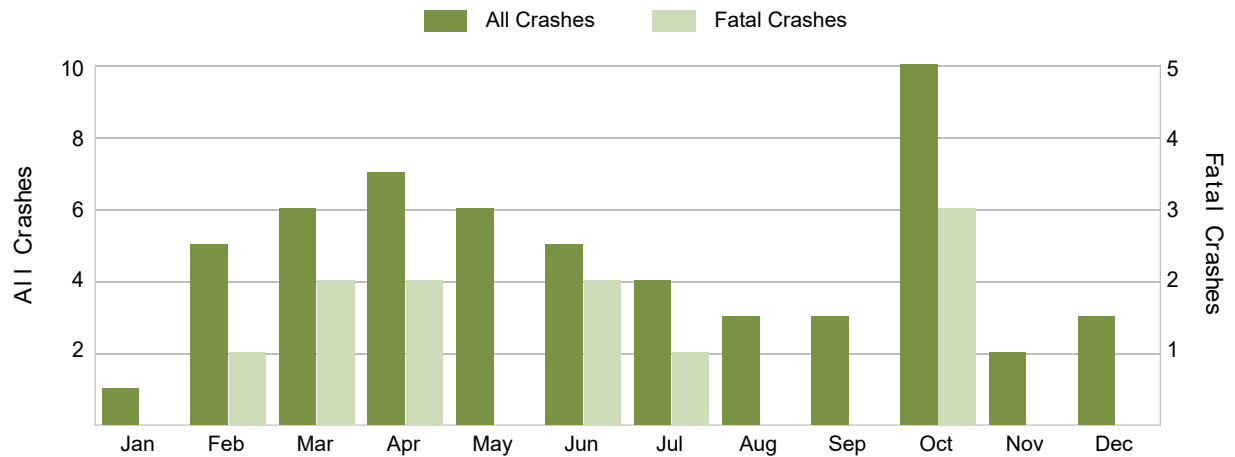


Commercial Motor Vehicles (continued)

5-Year Trend - Pedestrian-Involved Crashes by Month

Month	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	6	1	7	0	0	0	4	0	1	0
February	3	0	3	0	4	1	8	0	5	1
March	3	1	4	1	1	0	5	1	6	2
April	5	0	2	1	6	0	4	0	7	2
May	3	1	2	0	4	0	3	0	6	0
June	2	1	3	1	4	1	4	0	5	2
July	4	1	6	2	2	0	1	0	4	1
August	5	1	10	1	3	1	4	0	3	0
September	4	0	6	1	4	0	7	0	3	0
October	11	1	3	1	5	2	7	3	10	3
November	1	0	4	1	5	2	3	0	2	0
December	4	0	1	0	3	2	6	2	3	0
Total	51	7	51	9	41	9	56	6	55	11

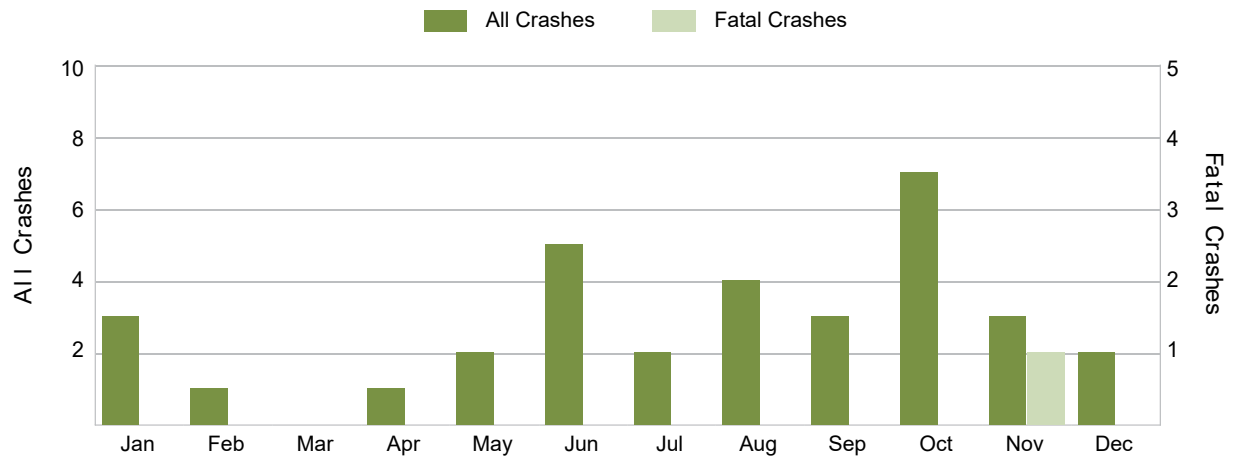
2023 Pedestrian-Involved Crashes by Month



5-Year Trend - Bicyclist-Involved Crashes by Month

Month	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1	0	0	0	1	0	0	0	3	0
February	0	0	0	0	0	0	0	0	1	0
March	0	0	0	0	0	0	2	0	0	0
April	1	0	2	1	2	0	2	0	1	0
May	4	0	0	0	1	1	0	0	2	0
June	3	0	2	0	3	0	2	0	5	0
July	8	1	5	0	3	0	5	0	2	0
August	7	1	1	0	2	1	4	0	4	0
September	2	0	4	0	2	0	3	0	3	0
October	2	0	2	0	1	0	1	0	7	0
November	1	0	2	1	2	1	1	0	3	1
December	0	0	1	1	1	0	1	0	2	0
Total	29	2	19	3	18	3	21	0	33	1

2023 Bicyclist-Involved Crashes by Month



2023 - Reported Motor Vehicle Crashes by County

County	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Alcona	8	0	1	7	0	0	2	6	0	0	2	0	0
Alger	9	0	2	7	0	3	5	1	0	0	2	0	0
Allegan	197	1	32	164	42	42	38	75	3	1	14	0	0
Alpena	24	0	5	19	0	8	7	9	0	0	3	0	0
Antrim	21	0	4	17	0	13	4	4	1	1	4	0	0
Arenac	22	2	2	18	3	5	4	10	0	0	8	0	0
Baraga	7	0	0	7	0	6	1	0	0	0	1	0	0
Barry	41	0	14	27	0	0	21	20	2	0	7	0	0
Bay	115	2	15	98	16	15	41	43	3	2	3	0	0
Benzie	19	1	4	14	0	5	1	13	0	0	0	0	0
Berrien	265	4	52	209	128	44	28	64	4	4	21	1	0
Branch	60	0	7	53	21	20	5	14	1	0	10	0	0
Calhoun	307	5	41	261	165	0	57	85	2	2	21	0	0
Cass	40	0	9	31	0	5	14	21	1	0	6	0	0
Charlevoix	21	0	1	20	0	7	3	11	0	0	2	0	0
Cheboygan	34	0	2	32	15	1	8	10	2	0	10	0	0
Chippewa	28	0	3	25	11	0	5	12	0	0	4	0	0
Clare	43	0	10	33	0	20	10	13	2	1	7	0	0
Clinton	94	0	16	78	46	11	10	27	2	2	9	0	0
Crawford	15	0	4	11	4	0	7	4	1	0	3	0	0
Delta	47	1	5	41	0	24	9	14	0	1	4	0	0
Dickinson	21	0	6	15	0	10	4	7	1	0	1	0	0
Eaton	140	3	31	106	46	0	39	55	5	2	7	0	0
Emmet	28	1	5	22	0	13	2	12	0	0	1	1	0
Genesee	427	3	88	336	151	25	67	184	3	2	9	0	1
Gladwin	22	0	4	18	0	0	9	13	0	0	5	0	0
Gogebic	13	0	2	11	0	8	1	4	1	0	2	0	0
Grand Traverse	157	0	23	134	0	46	23	88	1	0	5	2	0
Gratiot	59	2	12	45	0	19	18	22	1	0	13	0	0
Hillsdale	46	2	9	35	0	10	9	27	0	2	4	0	0
Houghton	43	0	5	38	0	17	10	16	2	1	1	0	0
Huron	48	2	7	39	0	0	29	19	0	0	13	0	0
Ingham	383	2	71	310	109	26	75	173	4	1	12	3	4
Ionia	88	3	17	68	51	0	16	21	0	1	4	0	0
Iosco	16	0	1	15	0	4	6	6	0	0	4	0	0
Iron	8	0	1	7	0	6	0	2	0	0	1	0	0
Isabella	57	0	8	49	0	11	15	31	1	0	7	0	0
Jackson	265	2	45	218	116	19	30	100	4	1	9	0	0
Kalamazoo	434	3	73	358	116	30	53	235	11	2	10	8	1
Kalkaska	28	0	3	25	0	10	4	14	2	1	5	0	0
Kent	980	3	160	817	150	150	216	464	20	3	13	7	5
Keweenaw	1	0	0	1	0	1	0	0	0	0	0	0	0
Lake	9	0	1	8	0	6	0	3	0	0	2	0	0

Additional counties are on the following page.

Commercial Motor Vehicles (continued)

2023 - Reported Motor Vehicle Crashes by County (continued)

County	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Lapeer	114	2	17	95	22	0	44	48	3	2	8	0	0
Leelanau	19	0	1	18	0	0	8	11	0	0	2	0	0
Lenawee	117	1	17	99	0	37	32	48	4	0	12	1	0
Livingston	259	0	39	220	78	78	27	76	2	0	5	0	0
Luce	3	0	2	1	0	0	3	0	0	0	1	0	0
Mackinac	38	1	4	33	17	16	4	1	1	0	8	1	0
Macomb	1,287	5	261	1,021	203	0	393	688	16	4	8	7	3
Manistee	24	0	3	21	0	10	5	9	0	0	6	0	0
Marquette	71	0	5	66	0	25	15	31	0	0	2	0	0
Mason	24	1	3	20	0	13	0	11	0	0	3	0	0
Mecosta	42	0	3	39	0	14	10	18	0	0	6	0	0
Menominee	18	0	10	8	0	8	5	5	1	0	0	0	0
Midland	84	0	15	69	0	13	24	46	0	0	8	0	0
Missaukee	32	0	7	25	0	0	15	17	0	0	5	0	0
Monroe	398	5	69	324	177	107	16	98	10	6	7	1	0
Montcalm	61	0	9	52	0	14	26	21	0	0	7	0	0
Montmorency	8	0	1	7	0	0	3	5	0	0	1	0	0
Muskegon	160	0	18	142	6	36	23	95	0	0	7	0	0
Nawaygo	24	1	4	19	0	0	12	12	1	1	6	0	0
Oakland	1,906	5	327	1,574	510	169	305	921	14	6	16	4	4
Oceana	25	1	5	19	0	9	2	14	0	2	2	0	0
Ogemaw	16	0	3	13	2	0	8	6	0	0	4	0	0
Ontonagon	11	0	0	11	0	2	8	1	0	0	4	0	0
Osceola	27	1	6	20	0	13	5	9	0	0	2	0	0
Oscoda	5	0	1	4	0	0	4	1	0	0	1	0	0
Otsego	52	0	6	46	12	0	16	24	0	0	7	0	0
Ottawa	409	1	72	336	76	60	48	225	5	1	8	2	0
Presque Isle	10	0	1	9	0	3	4	3	0	0	5	0	0
Roscommon	20	1	2	17	4	3	6	7	0	0	4	0	0
Saginaw	219	1	44	174	41	0	107	71	3	1	8	1	0
St. Clair	162	3	21	138	54	0	21	86	5	2	10	0	0
St. Joseph	87	1	16	70	0	38	24	25	0	0	6	0	0
Sanilac	41	1	3	37	0	0	22	19	0	0	11	0	0
Schoolcraft	14	0	1	13	0	11	2	1	0	0	7	0	0
Shiawassee	101	1	29	71	32	0	36	33	2	1	12	1	0
Tuscola	61	0	18	43	0	0	30	31	0	0	15	0	1
Van Buren	106	1	13	92	56	0	13	36	3	1	10	0	0
Washtenaw	731	2	126	603	137	213	61	320	7	3	13	3	4
Wayne	3,558	15	653	2,890	1,173	217	580	1,581	33	17	5	12	10
Wexford	54	1	8	45	0	21	24	9	1	0	14	0	0
Total	15,088	93	2,644	12,351	3,790	1,770	2,897	6,615	191	77	535	55	33

Commercial Motor Vehicles (continued)

2023 - People in Reported Motor Vehicle Crashes by County

County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Alcona	0	2	0	0	12	0
Alger	0	0	0	6	16	0
Allegan	2	11	40	72	394	11
Alpena	0	0	0	14	51	1
Antrim	0	2	0	6	29	2
Arenac	2	0	7	2	32	3
Baraga	0	0	0	0	22	0
Barry	0	2	14	25	66	5
Bay	2	10	4	39	233	11
Benzie	1	0	3	9	32	2
Berrien	5	35	30	65	481	32
Branch	0	2	8	3	89	5
Calhoun	5	31	35	37	526	25
Cass	0	5	11	12	67	2
Charlevoix	0	0	0	3	36	2
Cheboygan	0	2	0	2	51	3
Chippewa	0	0	22	10	66	2
Clare	0	7	11	3	58	6
Clinton	0	8	8	16	149	1
Crawford	0	2	0	7	20	0
Delta	2	0	1	10	84	3
Dickinson	0	6	7	2	49	2
Eaton	4	19	36	45	288	14
Emmet	1	0	3	15	45	5
Genesee	3	42	76	150	873	62
Gladwin	0	2	7	2	32	1
Gogebic	0	0	2	2	20	1
Grand Traverse	0	0	14	46	304	10
Gratiot	2	9	2	15	115	1
Hillsdale	3	7	3	11	64	5
Houghton	0	0	1	12	71	4
Huron	2	6	9	9	72	4
Ingham	3	32	58	130	767	61
Ionia	3	4	51	25	172	7
Iosco	0	0	0	2	25	0
Iron	0	0	0	3	10	2
Isabella	0	6	4	8	87	8
Jackson	2	20	39	79	454	32
Kalamazoo	3	38	50	129	828	67
Kalkaska	0	0	3	2	46	1
Kent	3	78	120	275	1,920	123
Keweenaw	0	0	0	0	1	0
Lake	0	0	6	0	17	0

Additional counties are on the following page.

2023 - People in Reported Motor Vehicle Crashes by County (continued)

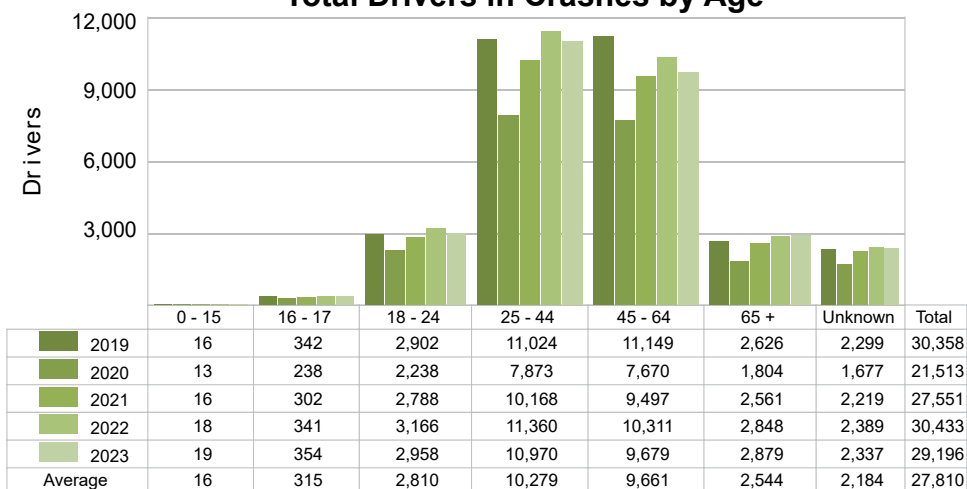
County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Lapeer	2	0	26	26	244	13
Leelanau	0	0	2	0	26	2
Lenawee	1	4	10	23	245	19
Livingston	0	4	41	54	469	22
Luce	0	2	0	3	4	0
Mackinac	1	0	4	6	58	3
Macomb	5	60	178	503	2,439	240
Manistee	0	0	4	4	34	2
Marquette	0	2	4	8	131	13
Mason	1	5	1	2	40	2
Mecosta	0	0	0	8	66	3
Menominee	0	0	8	19	28	0
Midland	0	10	13	39	158	7
Missaukee	0	2	5	5	43	0
Monroe	6	48	61	96	733	50
Montcalm	0	0	5	21	112	3
Montmorency	0	0	2	0	13	0
Muskegon	0	4	15	22	307	14
Newaygo	1	1	0	7	42	1
Oakland	5	45	323	576	3,812	339
Oceana	1	2	2	5	41	1
Ogemaw	0	0	4	4	29	0
Ontonagon	0	0	0	0	19	2
Osceola	1	0	2	13	51	1
Oscoda	0	0	0	1	8	0
Otsego	0	0	1	12	91	0
Ottawa	1	37	39	121	736	60
Presque Isle	0	0	1	0	12	0
Roscommon	1	0	0	2	27	2
Saginaw	1	13	59	92	463	23
St. Clair	3	5	20	25	289	21
St. Joseph	1	7	12	19	142	4
Sanilac	1	0	4	5	69	0
Schoolcraft	0	0	0	2	16	1
Shiawassee	1	15	20	41	167	9
Tuscola	0	9	24	10	88	3
Van Buren	1	4	16	9	177	7
Washtenaw	2	36	149	216	1,449	133
Wayne	18	184	465	1,279	7,181	869
Wexford	1	9	16	2	89	6
Total	103	896	2,221	4,583	28,922	2,401

Commercial Motor Vehicles (continued)

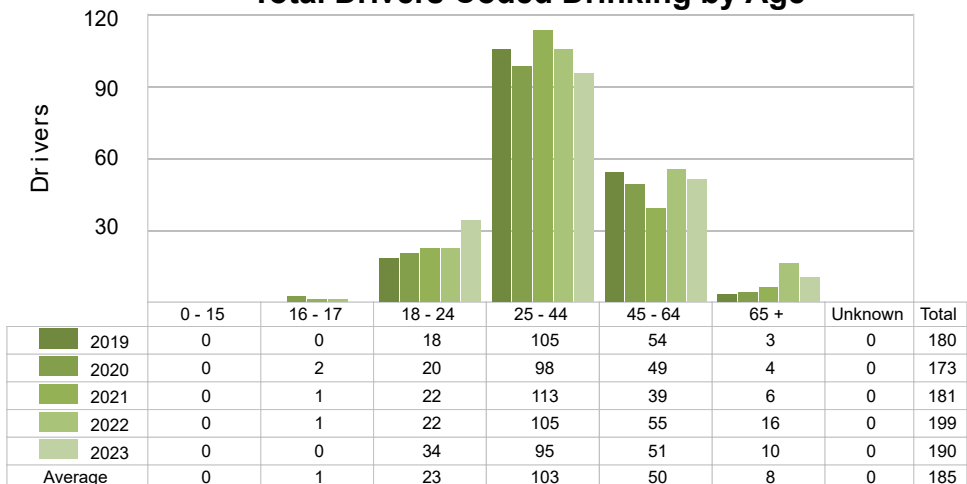
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2019		2020		2021		2022		2023	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	16	0	13	0	16	0	18	0	19	0
16 - 17	342	0	238	2	302	1	341	1	354	0
18 - 24	2,902	18	2,238	20	2,788	22	3,166	22	2,958	34
25 - 44	11,024	105	7,873	98	10,168	113	11,360	105	10,970	95
45 - 64	11,149	54	7,670	49	9,497	39	10,311	55	9,679	51
65 +	2,626	3	1,804	4	2,561	6	2,848	16	2,879	10
Unknown	2,299	0	1,677	0	2,219	0	2,389	0	2,337	0
Total	30,358	180	21,513	173	27,551	181	30,433	199	29,196	190

**5-Year Trend
Total Drivers in Crashes by Age**



**5-Year Trend
Total Drivers Coded Drinking by Age**



2023 - BAC Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

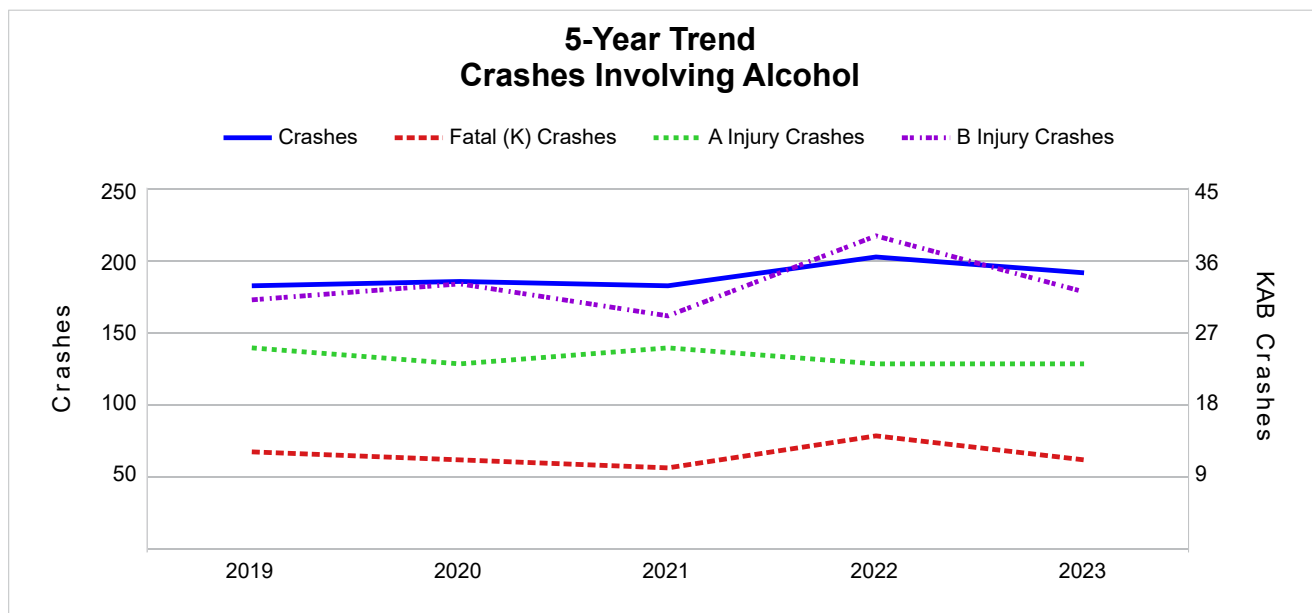
Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 17	0	0	0	0	0	0	0	0	0
18 - 24	51	41	30	34	0	3	13	13	5
25 - 44	172	159	83	95	0	7	28	44	16
45 - 64	132	114	41	51	1	4	9	24	13
65 +	17	23	8	10	0	1	1	5	3
Unknown	29	0	0	0	0	0	0	0	0
Total	401	337	162	190	1	15	51	86	37

Notes: BAC refers to Bodily Alcohol Concentration as used in impaired driving law. This is the same as Blood Alcohol Content.
BAC measured in grams (g) per deciliter (dL).
BAC may not be reported if drivers are not tested or if the results are not available immediately (as in the case of a blood test).
A driver may be coded by the officer as drinking even though no test is administered.

5-Year Trend - Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	Fatal Crashes	HBD Fatal Crashes	% HBD	A Injury Crashes	HBD A Injury Crashes	% HBD	B Injury Crashes	HBD B Injury Crashes	% HBD
2019	15,798	182	1.2	98	12	12.2	309	25	8.1	761	31	4.1
2020	11,344	185	1.6	77	11	14.3	226	23	10.2	608	33	5.4
2021	14,293	182	1.3	93	10	10.8	283	25	8.8	760	29	3.8
2022	15,802	202	1.3	96	14	14.6	327	23	7.0	813	39	4.8
2023	15,088	191	1.3	93	11	11.8	297	23	7.7	773	32	4.1

Notes: HBD refers to Had Been Drinking.



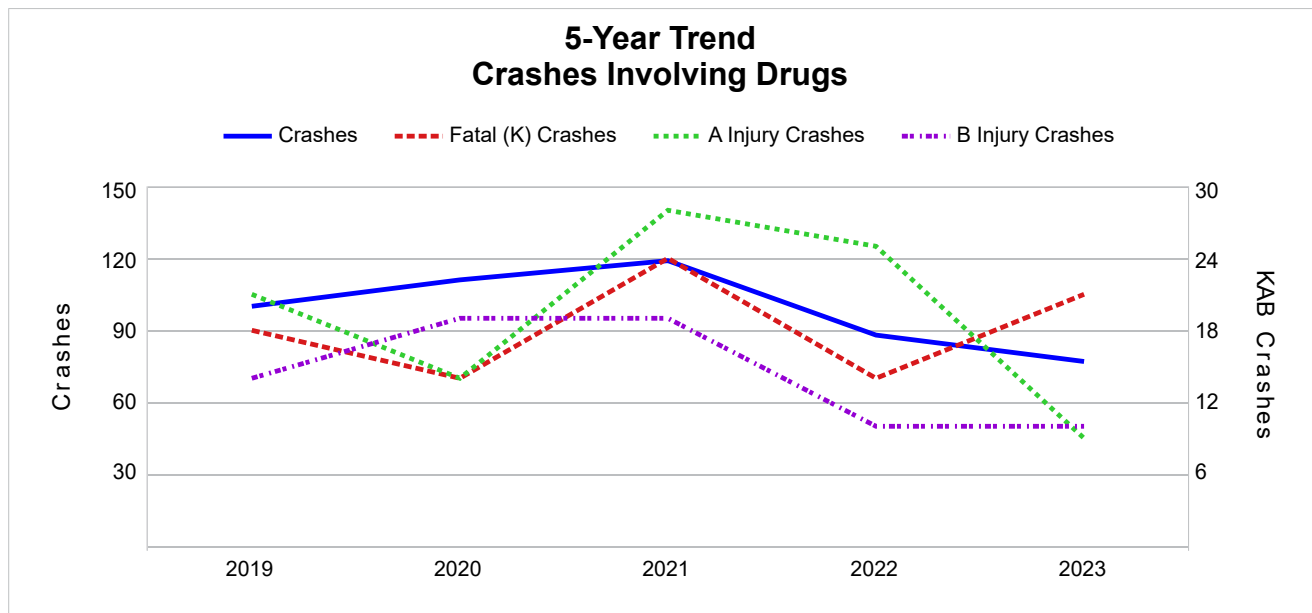
Commercial Motor Vehicles (continued)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2019	15,798	100	0.6	98	18	18.4	309	21	6.8	761	14	1.8
2020	11,344	111	1.0	77	14	18.2	226	14	6.2	608	19	3.1
2021	14,293	119	0.8	93	24	25.8	283	28	9.9	760	19	2.5
2022	15,802	88	0.6	96	14	14.6	327	25	7.6	813	10	1.2
2023	15,088	77 *	0.5 *	93	21	22.6	297	9 *	3.0 *	773	10	1.3

Notes: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column.

** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column.



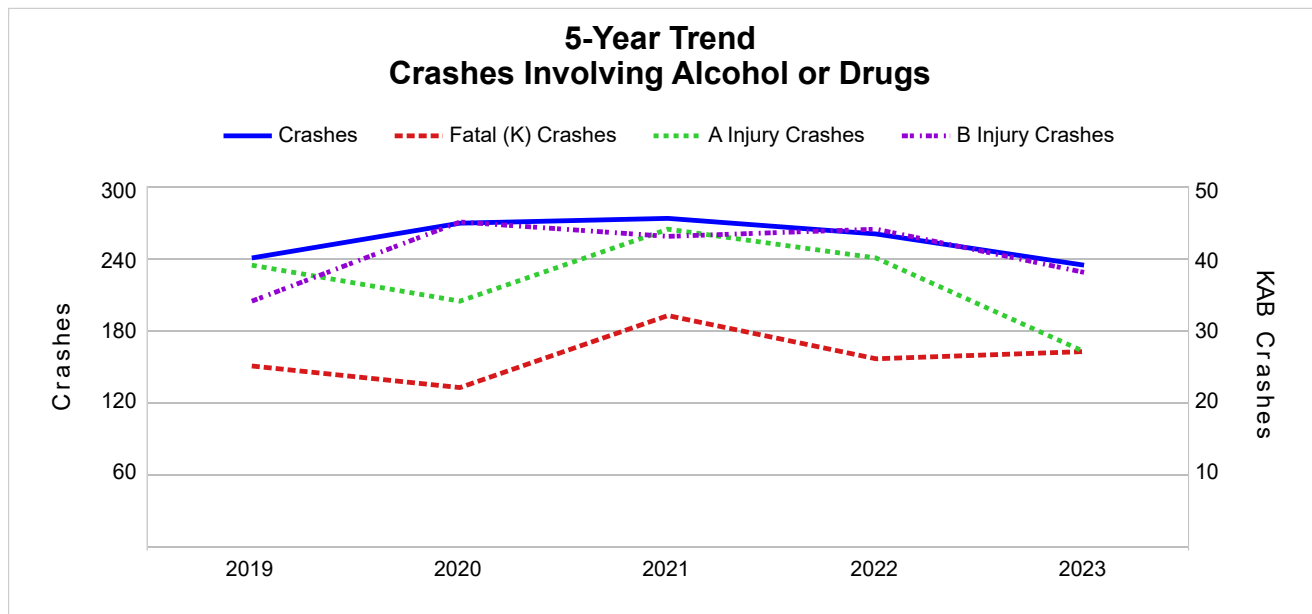
5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2019	15,798	240	1.5	98	25	25.5	309	39	12.6	761	34	4.5
2020	11,344	269	2.4	77	22	28.6	226	34	15.0	608	45	7.4
2021	14,293	273	1.9	93	32	34.4	283	44	15.5	760	43	5.7
2022	15,802	260	1.6	96	26	27.1	327	40	12.2	813	44	5.4
2023	15,088	234 *	1.6	93	27	29.0	297	27 *	9.1 *	773	38	4.9

Notes: HBD refers to Had Been Drinking.

* Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column.

** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column.



Commercial Motor Vehicles (continued)

2023 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger Car, SUV, Van	11,626	9,964	85.7	55	33	60.0	218	158	72.5	625	575	92.0	1,510	1,378	91.3	8,303	7,820	94.2
Motor Home	38	35	92.1	0	0	0.0	1	1	100.0	1	1	100.0	4	4	100.0	32	29	90.6
Pickup Truck	1,667	1,423	85.4	15	9	60.0	36	28	77.8	56	44	78.6	129	120	93.0	1,278	1,222	95.6
Small Truck Under 10,000 lbs. GVWR	93	73	78.5	0	0	0.0	2	2	100.0	3	3	100.0	6	5	83.3	73	63	86.3
Motorcycle	38	23	60.5	9	6	66.7	8	4	50.0	10	8	80.0	3	2	66.7	6	3	50.0
Moped/Goped	4	1	25.0	0	0	0.0	1	0	0.0	0	0	0.0	3	1	33.3	0	0	0.0
Go-Cart/Golf Cart	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	5	0	0.0	0	0	0.0	4	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	98	37	37.8	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	50	33	66.0
Truck/Bus (over 10,000 lbs. GVWR/ 8+ occupants/ hazmat placard)	16,207	14,079	86.9	12	7	58.3	65	45	69.2	239	189	79.1	682	426	62.5	14,333	13,412	93.6
Uncoded & Errors	383	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	30,159	25,635	85.0	91	55	60.4	335	238	71.0	937	822	87.7	2,339	1,938	82.9	24,077	22,582	93.8

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

2023 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	244	164	67.2	1	1	100.0	14	7	50.0	44	36	81.8	168	103	61.3	17	17	100.0
16 - 17	405	370	91.4	3	2	66.7	8	3	37.5	19	15	78.9	72	55	76.4	303	295	97.4
18 - 24	3,104	2,859	92.1	8	6	75.0	62	46	74.2	151	132	87.4	330	275	83.3	2,539	2,400	94.5
25 - 44	11,223	10,288	91.7	29	15	51.7	126	87	69.0	328	279	85.1	846	716	84.6	9,859	9,191	93.2
45 - 64	9,838	9,116	92.7	28	15	53.6	79	59	74.7	271	242	89.3	608	513	84.4	8,813	8,287	94.0
65 +	3,008	2,831	94.1	22	16	72.7	46	36	78.3	124	118	95.2	314	276	87.9	2,493	2,385	95.7
Unknown	2,337	7	0.3	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	53	7	13.2
Total	30,159	25,635	85.0	91	55	60.4	335	238	71.0	937	822	87.7	2,339	1,938	82.9	24,077	22,582	93.8

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2019			2020			2021			2022			2023		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	55	0	1	49	0	5	57	0	8	63	0	10	74	0	8
Shoulder Belt Only Used	167	0	17	97	0	8	124	1	7	172	0	17	131	0	15
Lap Belt Only Used	165	0	12	77	0	3	71	0	8	82	0	7	77	0	7
Both Lap & Shoulder Belt Used	26,210	46	2,356	18,375	31	1,726	23,500	35	2,265	25,828	47	2,329	24,801	42	2,373
No Belts Used	214	16	78	176	17	60	194	18	70	232	15	83	216	9	78
Child Restraint Used - Forward Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Not Used, Unavailable or Improper Use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	11	0	4	2	0	0	4	0	0	7	0	5	8	0	1
Restraint Use Unknown	3,079	9	111	2,399	7	113	3,113	14	150	3,559	14	166	3,368	16	157
Helmet Worn	27	3	22	21	3	14	31	2	21	23	7	11	23	6	14
Helmet Not Worn	16	2	13	8	1	6	12	3	8	14	0	11	15	2	10
Helmet Use Unknown	2	1	0	1	1	0	3	1	2	4	0	3	1	0	1
Uncoded & Errors	412	0	0	308	0	0	442	0	0	449	0	0	482	0	0
Total	30,358	77	2,614	21,513	60	1,935	27,551	74	2,539	30,433	83	2,642	29,196	75	2,664

5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2019			2020			2021			2022			2023		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	1	0	0	2	0	0	1	0	1	1	0	1	0	0	0
Shoulder Belt Only Used	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Lap Belt Only Used	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	132	2	49	136	3	60	133	3	51	143	3	50	137	3	55
No Belts Used	9	1	7	10	2	8	8	2	5	22	4	12	11	1	9
Child Restraint Used - Forward Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Not Used, Unavailable or Improper Use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Restraint Use Unknown	33	2	12	23	2	9	37	1	13	30	2	12	41	3	13
Helmet Worn	1	0	1	1	0	1	1	0	1	1	1	0	0	0	0
Helmet Not Worn	0	0	0	1	0	1	1	0	1	0	0	0	1	1	0
Helmet Use Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	180	5	71	173	7	79	181	6	72	199	10	76	190	8	77

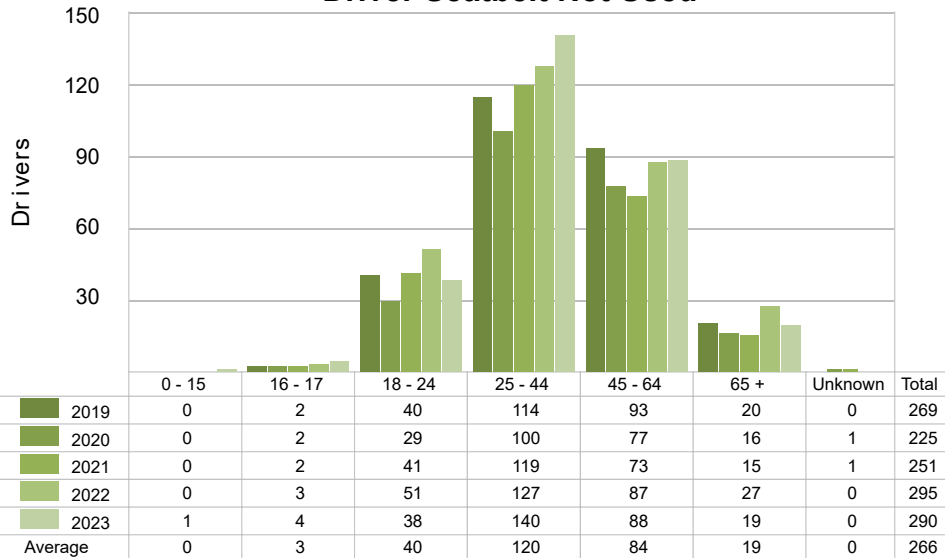
Commercial Motor Vehicles (continued)

5-Year Trend - Seatbelt Not Used Among Drivers by Age

Age Group	2019			2020			2021			2022			2023		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
16 - 17	2	0	1	2	0	2	2	0	0	3	0	2	4	0	3
18 - 24	40	2	16	29	3	14	41	5	20	51	2	20	38	1	18
25 - 44	114	4	38	100	5	26	119	6	36	127	6	43	140	3	40
45 - 64	93	7	20	77	5	17	73	5	17	87	2	19	88	4	22
65 +	20	3	4	16	4	6	15	2	5	27	5	9	19	1	2
Unknown	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Total	269	16	79	225	17	65	251	18	78	295	15	93	290	9	86

Note: Seatbelt Not Used includes no belts available or no belts used.

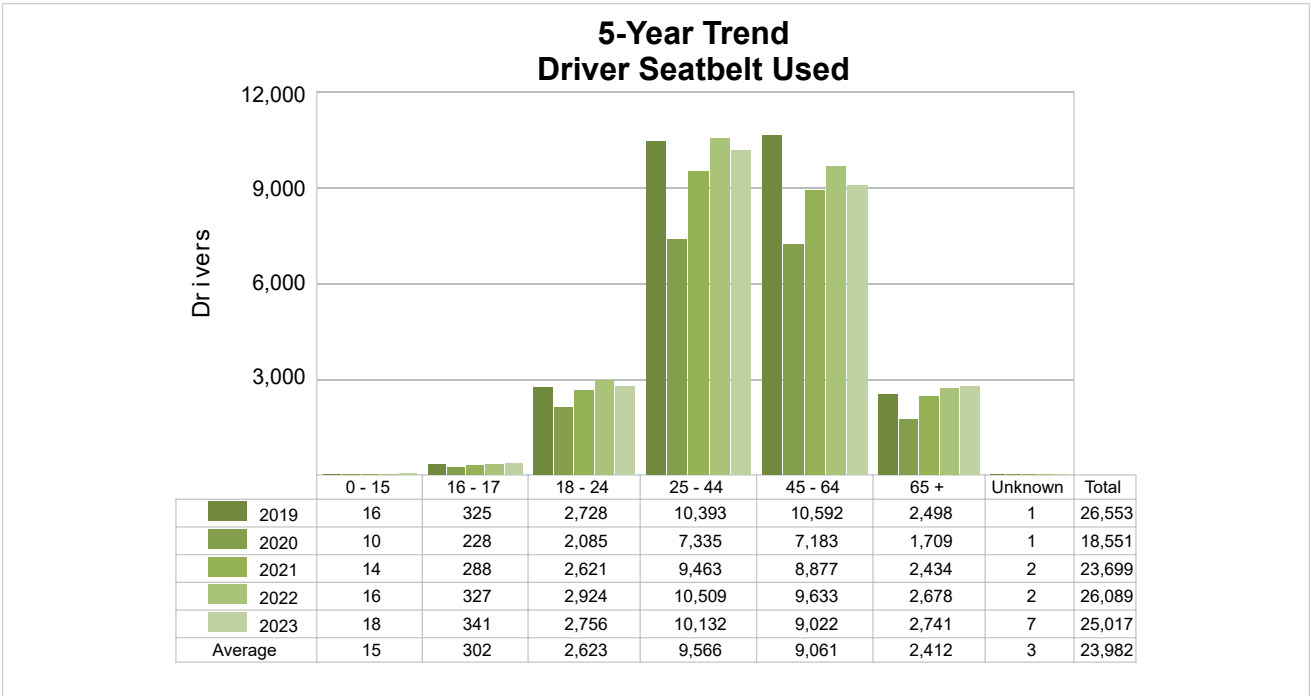
5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2019			2020			2021			2022			2023		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	16	0	2	10	0	1	14	0	3	16	0	0	18	0	1
16 - 17	325	0	34	228	1	39	288	1	34	327	0	44	341	1	45
18 - 24	2,728	6	359	2,085	3	285	2,621	5	333	2,924	3	308	2,756	5	351
25 - 44	10,393	17	921	7,335	14	689	9,463	10	886	10,509	10	930	10,132	11	931
45 - 64	10,592	12	820	7,183	6	544	8,877	10	721	9,633	21	763	9,022	13	724
65 +	2,498	11	253	1,709	7	179	2,434	10	303	2,678	13	313	2,741	12	344
Unknown	1	0	0	1	0	0	2	0	0	2	0	0	7	0	0
Total	26,553	46	2,389	18,551	31	1,737	23,699	36	2,280	26,089	47	2,358	25,017	42	2,396

Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



Commercial Motor Vehicles (continued)

5-Year Trend - All Vehicle Drivers in CMV Crashes by Hazardous Action

Hazardous Action	2019		2020		2021		2022		2023	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	14,717	104	10,599	84	13,458	98	14,864	118	14,340	100
Speed Too Fast	1,734	15	935	8	1,066	6	1,462	11	1,050	14
Speed Too Slow	22	1	11	0	11	0	9	0	12	1
Failed to Yield	2,273	22	1,697	10	2,221	13	2,447	11	2,480	15
Disregard Traffic Control	431	6	388	7	462	10	477	15	481	9
Drove Wrong Way	14	0	22	0	21	0	24	4	20	2
Drove Left of Center	168	13	156	6	162	9	194	11	178	7
Improper Passing	351	2	283	0	366	3	407	0	425	0
Improper Lane Use	1,619	0	1,190	4	1,543	2	1,715	4	1,780	4
Improper Turn	706	1	431	1	547	0	638	0	692	0
Improper/No Signal	39	0	32	0	32	1	52	0	32	0
Improper Backing	727	0	570	1	711	0	791	0	653	1
Unable to Stop in Assured Clear Distance	3,017	9	1,914	10	2,670	8	2,966	15	2,829	13
Other	1,680	7	1,175	9	1,574	7	1,563	5	1,453	7
Unknown	1,713	12	1,233	8	1,652	24	1,671	10	1,594	9
Reckless Driving	66	3	57	3	81	6	69	6	79	8
Careless/Negligent Driving	713	8	565	8	590	7	694	6	668	4
Uncoded & Errors	368	1	255	0	384	0	390	0	430	1
Total	30,358	204	21,513	159	27,551	194	30,433	216	29,196	195

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